**CHAPTER 3 TEST- FRIDAY FEBRUARY 23**

-write **prime factorization** of a number (using a factor tree or other method)

-determine the **GCF** of given numbers (using factor tree or other method)

-determine the **LCM** of given numbers (using factor tree or other method)

-**solving a problem** that might involve finding the **GCF or LCM**

-find the **volume of a cube**, given the **surface area (memorize formulas)**

-find the surfa**ce area of a cube**, given the **volume**

(**formulas:** SA = 6s² V = c³)

-**factoring** trinomial where **first term coefficient = 1**

-f**actoring** trinomial where **first term coefficient ≠ 1**

-f**actoring** trinomial where you have to **factor twice**

-**factoring GCF** out of polynomial

-**factoring special polynomials** (***perfect square trinomial*; *difference of squares***)

-multiplying two binomials (**FOIL)**

-multiplying a **binomial that is squared** (results in ***perfect square trinomial***)

-multiplying **two binomials where middle term disappears** (results in ***difference of squares***)

-**multiplying** a **binomial** and **polynomial**

-simplifying an expression and /or **solving a problem** that requires **simplifying in several steps** that might involve multiplying polynomials, distribution, simplifying by collecting like terms